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TITLE : HEAT RESISTANT POLYOLEFIN RESIN COMPOSITION AND RESIN MOLDED ARTICLE

ABSTRACT : PURPOSE: To obtain a heat resistant polyolefin resin composition capable of providing a molded article having excellent thermal aging properties and heat resistant stiffness by blending a polyolefin composed mainly of ethylene or propylene with polyphenylene sulfide at a specific ratio.

CONSTITUTION: The composition consisting essentially of (A) 40-78wt.%, preferably 60-78wt.% polyolefin composed mainly of ethylene or propylene, preferably low-density polyethylene having 3-20g MFR and 0.915-0.93g/cm³ density, graft- modified polyolefin having 0.6-10dl/g intrinsic viscosity and $\geq 130^{\circ}\text{C}$ melting point and grafted by 0.1-5wt.% unsaturated carboxylic acid (derivative) and (B) 22-60wt.%, preferably 22-40wt.% polyphenylene sulfide, preferably having 50-50000 poise melt viscosity. The molded article obtained by subjecting the above-mentioned composition to injection molding and having the component B forming a laminar continuous phase in the surface layer part.

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